

Title (en)
THE TURNING CORD

Publication
EP 0263650 A3 19891206 (EN)

Application
EP 87308754 A 19871002

Priority
US 91752786 A 19861010

Abstract (en)
[origin: US4721469A] An assembly to eliminate slack in a length of cord (20, 120) extending between axially spaced first (12, 112) and second (14, 114) cylindrical members. The cord (20) is wrapped in coiled lengths (22, 24, 122, 124) on the interior side walls (18, 19, 118, 119) of each member (12, 14, 112, 114). A control means (34, 134) acts between the members (12, 14, 112, 114) and coiled lengths (22, 24, 122, 124) to coil the cord (20, 120) onto one coiled lengths (22, 24, 122, 124) while uncoiling the cord (20, 120) from the other coiled length (24, 22, 124, 122). A guide means (36, 136) guides the cord (20, 120) onto and off of one of the coiled lengths (22, 24, 122, 124) while rolling means (38, 138) hold the coiled lengths (22, 24, 122, 124) in position to eliminate slack. The control means (34, 134) specifically includes at least two spokes, one (42, 142) to engage the U-shaped loop (32, 132) in the cord (20, 120) between the coiled lengths (22, 24, 122, 124) with the one or more spokes (40, 140) disposed within circular O-rings in rolling engagement with the respective coiled lengths (22, 24, 122, 124).

IPC 1-7
H01R 35/02; **H01R 35/00**; **H02G 11/02**; **H02G 11/00**

IPC 8 full level
H01R 35/04 (2006.01); **B60R 16/02** (2006.01); **B60R 16/027** (2006.01); **B62D 1/04** (2006.01); **B63H 25/24** (2006.01); **H01R 35/02** (2006.01); **H02G 11/00** (2006.01); **H02G 11/02** (2006.01)

CPC (source: EP US)
H01R 35/025 (2013.01 - EP US); **H02G 11/00** (2013.01 - EP US); **H02G 11/02** (2013.01 - EP US)

Citation (search report)

- [X] DE 2431460 B2 19760616
- [AD] US 2955271 A 19601004 - DAWKINS JOHN E
- [A] US 4540223 A 19850910 - SCHMERDA JOSEPH M [US], et al
- [A] FR 2506088 A1 19821119 - ADNA AG [LI]

Cited by
EP0460667A3; EP0413911A1; EP0427937A1

Designated contracting state (EPC)
DE GB IT SE

DOCDB simple family (publication)
US 4721469 A 19880126; CA 1281091 C 19910305; EP 0263650 A2 19880413; EP 0263650 A3 19891206; JP H0156510 B2 19891130; JP S63178470 A 19880722

DOCDB simple family (application)
US 91752786 A 19861010; CA 548758 A 19871007; EP 87308754 A 19871002; JP 25704187 A 19871012